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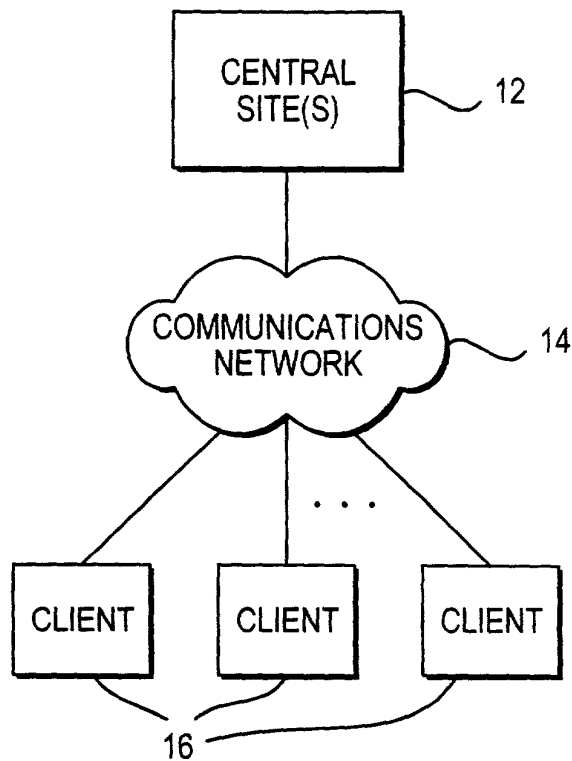


FIG. 1A

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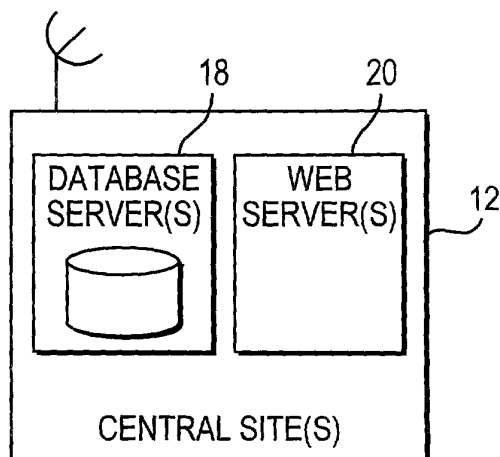


FIG. 1B

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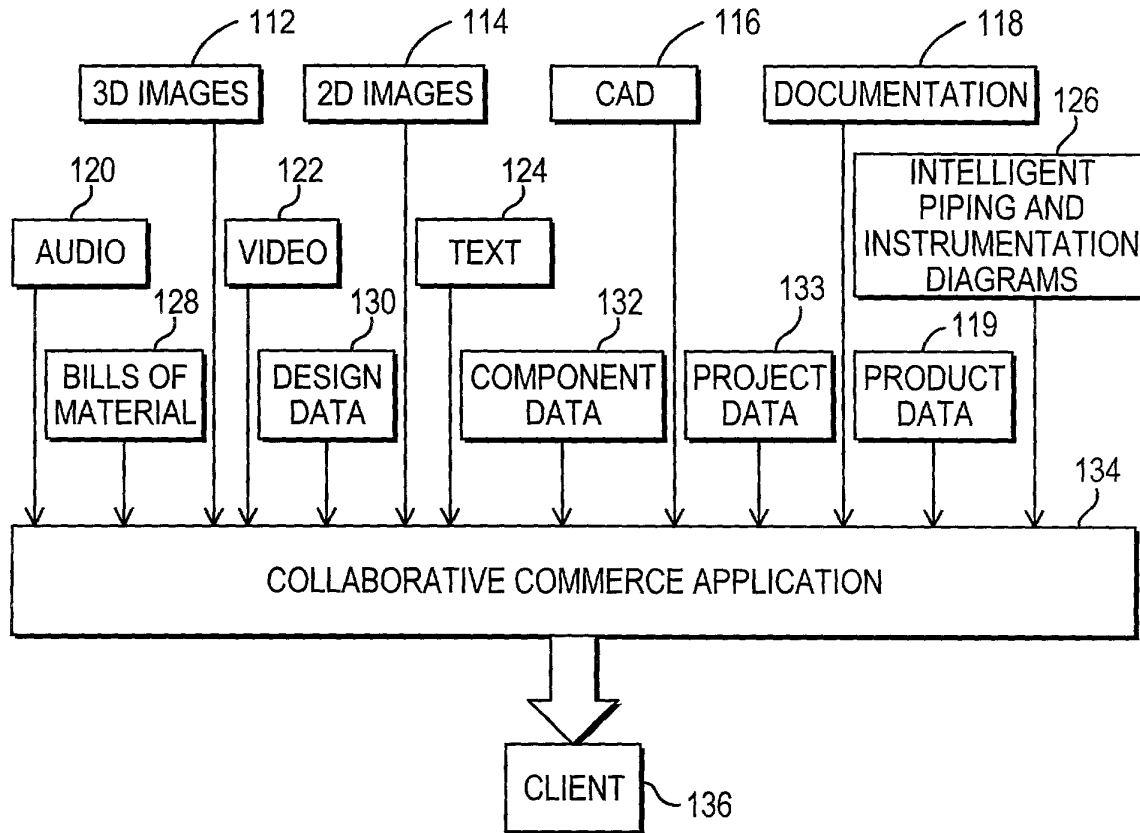


FIG. 2

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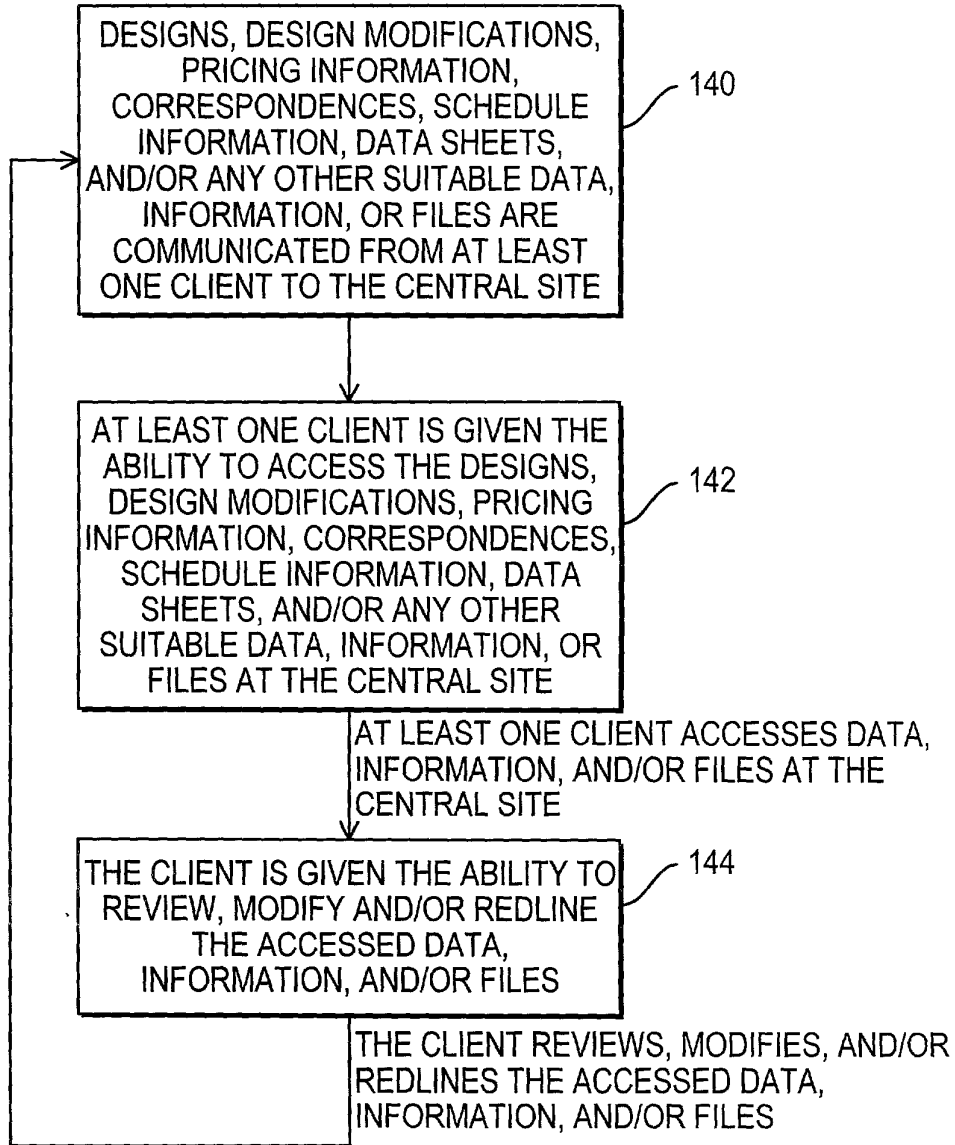


FIG. 3

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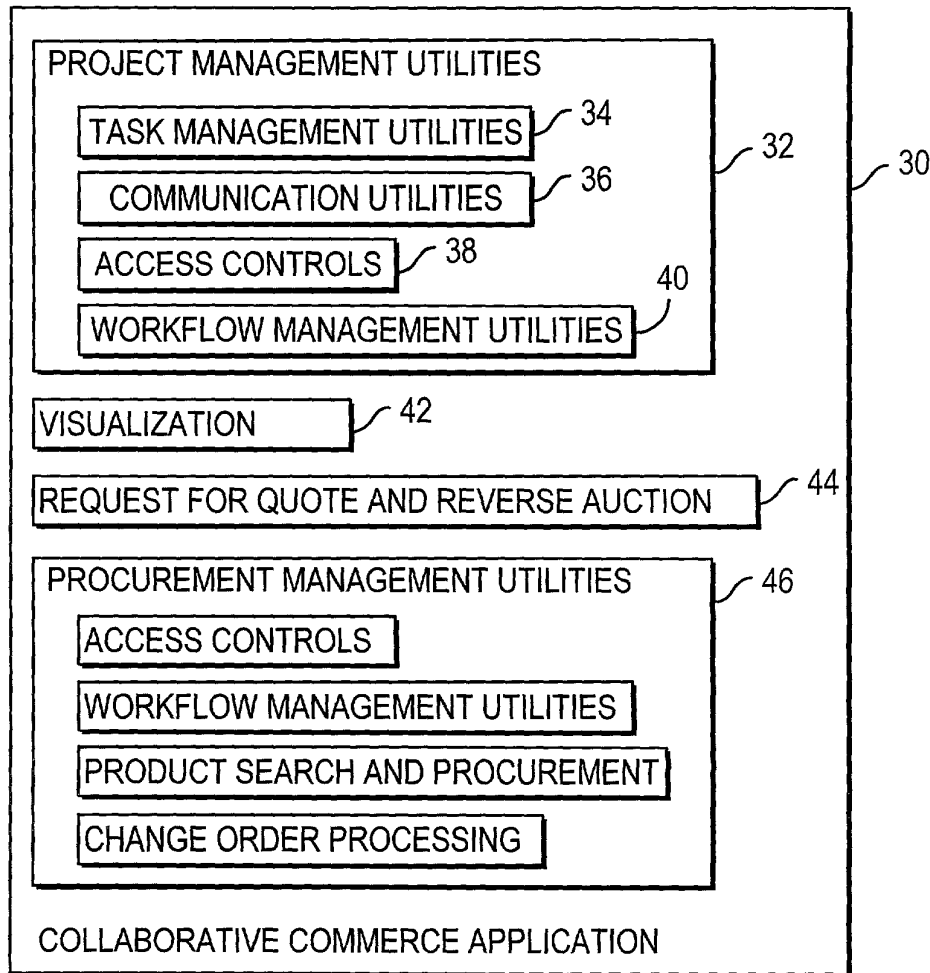
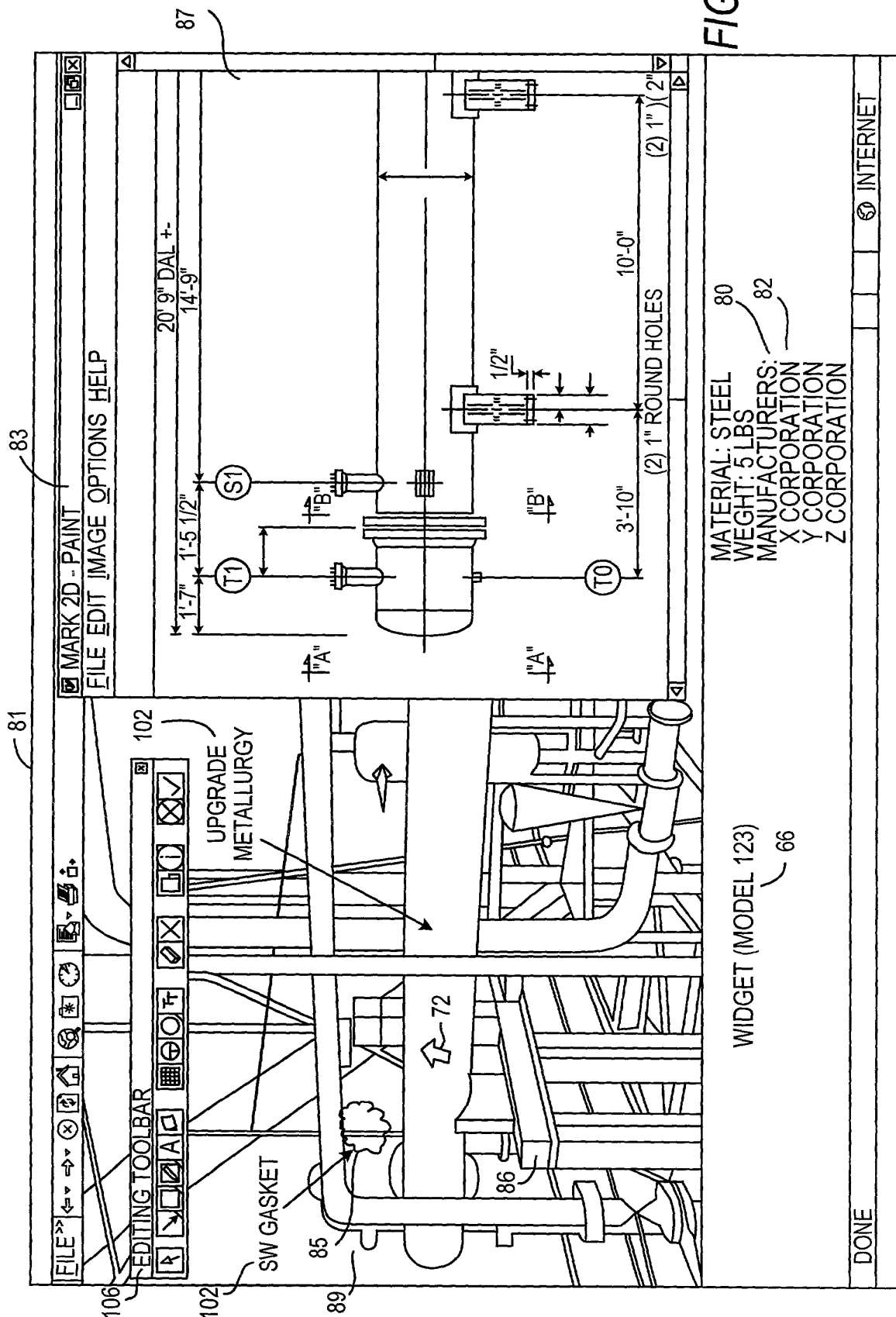


FIG. 4



**FIG. 5**

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FIG. 6

90

FILE EDIT VIEW INSERT FORMAT TOOLS DATA WINDOW HELP												
HEAT EXCHANGER SPECIFICATION SHEET												
1	C	D	E	F	G	H	I	J	K	L	M	N
2												
3	BY	JAMES WESTRICK										
4	DATE	9/80/00										
5												
6												
7												
8	CUSTOMER: CHEMICAL PROCESSORS, INC.											
9	ADDRESS: 761 BLUEBONNET AVENUE, SHREVEPORT, LA 7081											
10	PLANT LOCATION 2653 INLAND BAY BOULEVARD, BAYPORT, TEXAS 77061											
11	SERVICE OF UNIT DEBUTANIZER CONDENSER											
12	SIZE: 44x240 TYPE: AET											
13	SURF./UNIT 4,309 SqFt; SHELLS/UNIT 1 SURF/SHELL (GROS											
14	PERFORMANCE OF ONE UNIT											
15	FLUID ALLOCATION											
16	FLUID NAME											
17	FLUID QUANTITY, TOTAL Lb/Hr											
18	VAPOR (IN/OUT)											
19	LIQUID											
20	STEAM											
21	WATER											
22	NONCONDENSABLE											
23	TEMPERATURE (IN/OUT) :F											
24	SPECIFIC GRAVITY @ COND.											
25	VISCOSITY, LIQUID Cp											
26	MOLECULAR WEIGHT, VAPOR											
27	MOLECULAR WEIGHT, NONCONDENSABLE											
28	SPECIFIC HEAT Btu/Lb :F											
29	THERMAL CONDUCTIVITY Btu/FtHr Sq Ft :F											
30	POTENT HEAT Btu/Lb @ :F											
HEAT EXCHANGER SPEC SHEET - STA / 4												
DRAW AUTOSHAPES												
READY												

98

X, Y, Z

[367.937, 232.363, -23.3335]

DONE

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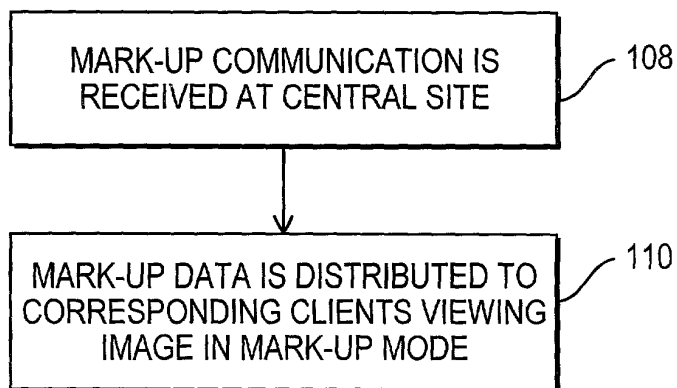


FIG. 7

05244-04250



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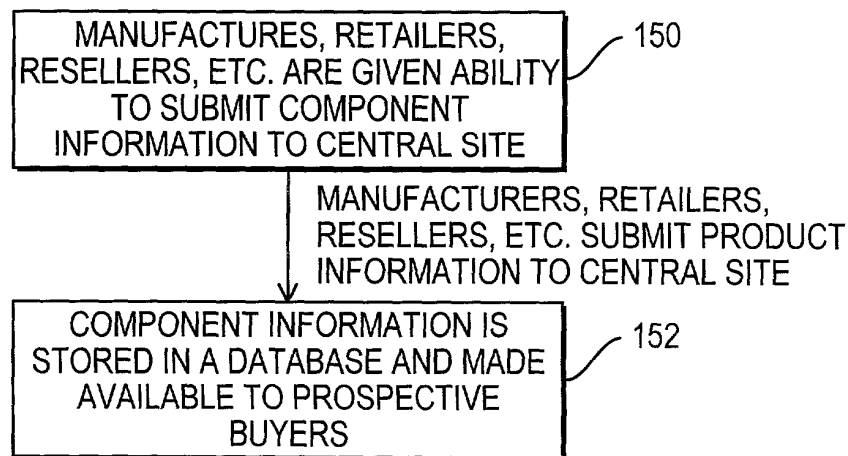


FIG. 8A

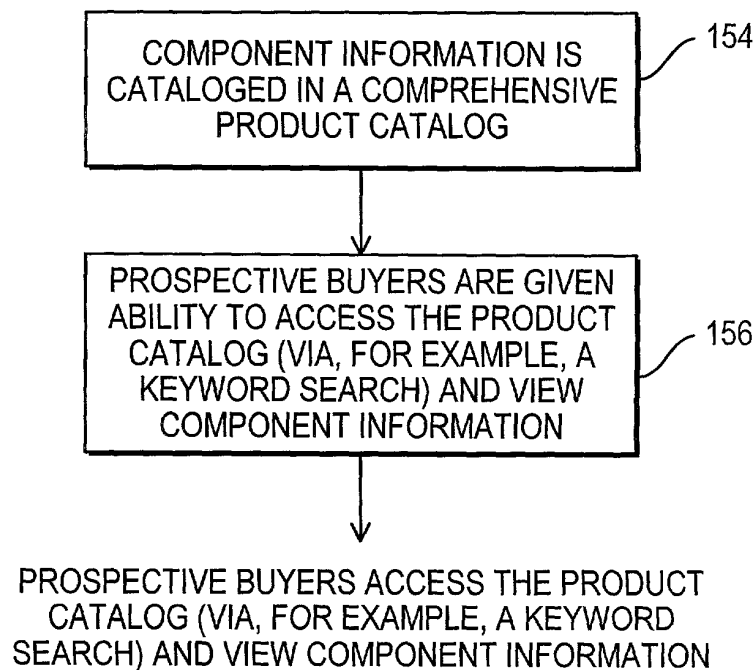


FIG. 8B

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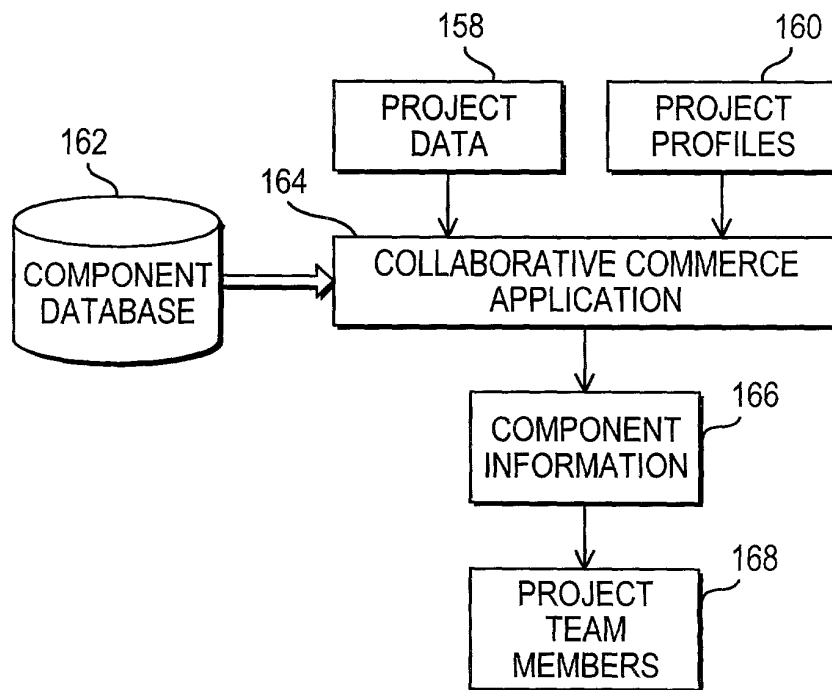


FIG. 9

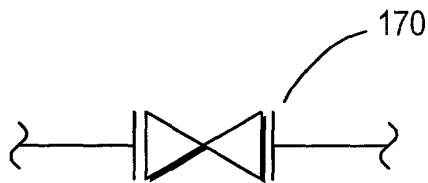
**FIG. 10**

INTERNET

INTERNET

TEN

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PART: VALVE  
MANUFACTURER: VOGT  
MANUFACTURER PART NUMBER: 123456  
SUPPLIER: MCJUNKIN  
SUPPLIER PART NUMBER: ABC123  
MMS PART NUMBER: A1B2C3  
DUPONT PART NUMBER: UVWXYZ  
TYPE: GATE  
BODY: A216 WCB  
RATING: 150#  
SIZE: 6"  
BONNET: BOLTED  
END: FLANGE  
SEAT: 13% CHROME  
PACKING: GRAFOIL

FIG. 12A

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SEARCH TYPE

☒ QUICK ORDER (PART NUMBERS) 178

☐ KEYWORD 180

☐ CATEGORY 182

DYNAMIC PRICING 184

☐ REQUEST FOR QUOTE

☐ REVERSE AUCTION

☐ AUCTION

OTHER

☐ BUILD SPECIFICATION SHEET

ATTRIBUTES 186

<input type="checkbox"/> PART: VALVE	<input type="checkbox"/> TYPE: GATE
<input type="checkbox"/> MANUFACTURER: VOGT	<input type="checkbox"/> BODY: A216WCB
<input type="checkbox"/> MANUFACTURER PART NUMBER: 123456	<input type="checkbox"/> RATING: 150#
<input type="checkbox"/> SUPPLIER: MCJUNKIN	<input type="checkbox"/> SIZE: 6"
<input checked="" type="checkbox"/> SUPPLIER PART NUMBER: ABC123	<input type="checkbox"/> BONNET: BOLTED
<input type="checkbox"/> MMS PART NUMBER: A1B2C3	<input type="checkbox"/> END: FLANGE
<input type="checkbox"/> DUPONT PART NUMBER: UVWXYZ	<input type="checkbox"/> SEAT: 13% CHROME
	<input type="checkbox"/> PACKING: GRAFOIL

FIG. 12B

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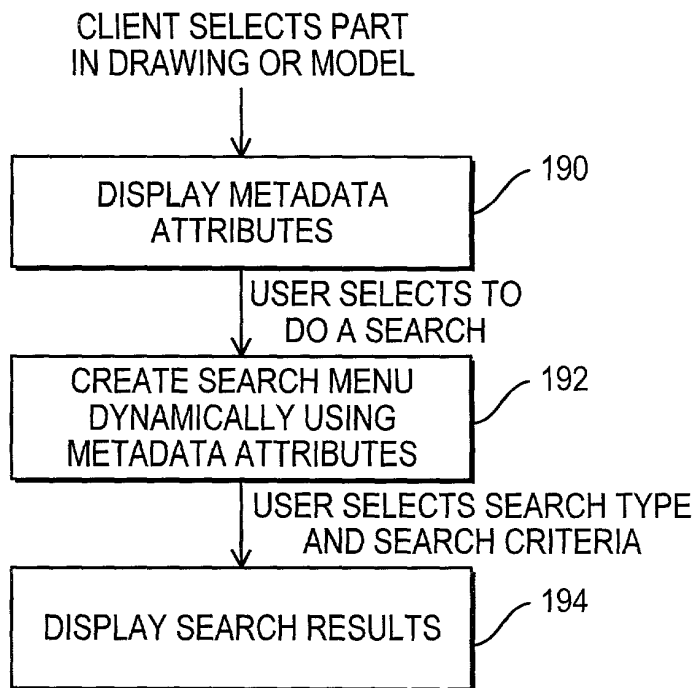


FIG. 13



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FIG. 14

FILE EDIT VIEW FAVORITES TOOLS HELP

BACK FORWARD STOP REFRESH HOME SEARCH FAVORITES HISTORY MAIL SIZE PRINT

ADDRESS LINK

INDUSTRIA

SEARCH RFQ VIEW REQUISITION CHECKOUT ORDER STATUS FAVORITES EDIT PROFILE LOG OFF

CUSTOMER SERVICE

HELP

SEARCH RESULTS: VALVES

IF YOUR SEARCH RETURNED TOO MANY PRODUCTS, TRY TO REFINE YOUR SEARCH.

TO ADD PRODUCT TO YOUR CURRENT ORDER, SIMPLY CLICK ON THE CHECK BOX NEXT TO THE ITEM, THEN CLICK ON THE ADD TO REQUISITION BUTTON.

TO ORDER MORE THAN ONE UNIT, CHANGE THE QUANTITY BEFORE CLICKING THE ADD TO REQUISITION BUTTON.

DISPLAYING 1 - 4 OF 4 VALVES FOUND.

YOU CAN ALSO CLICK ON AN UNDERLINED COLUMN TITLE TO SORT YOUR SEARCH RESULTS.

202

204

208

210

PRODUCT NAME	CAT#	AMOUNT	PRICE	QTY
<div><div><div><div><div>10 POWELL 1793 125# CAST IRON BOLTED BONNET OUTSIDE SCREW &amp; YOKE GATE VALVE FLANGED END TRIM: BRONZE SEAT: BRONZE PACKING: GRAFOIL HANDWHEEL</div><div><div>MCJUNKIN COPORATION/THE WM. POWELL COMPANY</div><div><div>198</div></div></div></div><div><div>10 POWELL 1793 125# CAST IRON BOLTED BONNET OUTSIDE SCREW &amp; YOKE GATE VALVE FLANGE END TRIM: BRONZE PACKING: NON-ASBESTOS HANDWHEEL</div><div><div>MCJUNKIN COPORATION/THE WM. POWELL COMPANY</div><div><div>198</div></div></div></div><div><div>10 KITZ 72125FCL 125# CAST IRON BOLTED BONNET OUTSIDE SCREW &amp; YOKE GATE VALVE FLANGED END TRIM: BRONZE HANDWHEEL</div><div><div>MCJUNKIN COPORATION/KITZ CORPORATION</div><div><div>198</div></div></div></div><div><div>10 WAUKEE F-2885 125# CAST IRON BOLTED BONNET OUTSIDE SCREW &amp; YOKE GATE VALVE FLANGED END TRIM: BRONZE SEAT: BRONZE PACKING: NON-ASBESTOS HANDWHEEL</div><div><div>MCJUNKIN COPORATION/ MILWAUKEE VALVE COMPANY</div><div><div>198</div></div></div></div></div><div><div>204</div><div>208</div><div>210</div></div></div></div>				
	08104735	1 EA	\$2,856.50	0
	08104883	1 EA	\$2,856.50	0
	08502196	1 EA	\$1,581.00	0
	08711275	1 EA	\$3,035.55	0

ADD TO REQUISITION

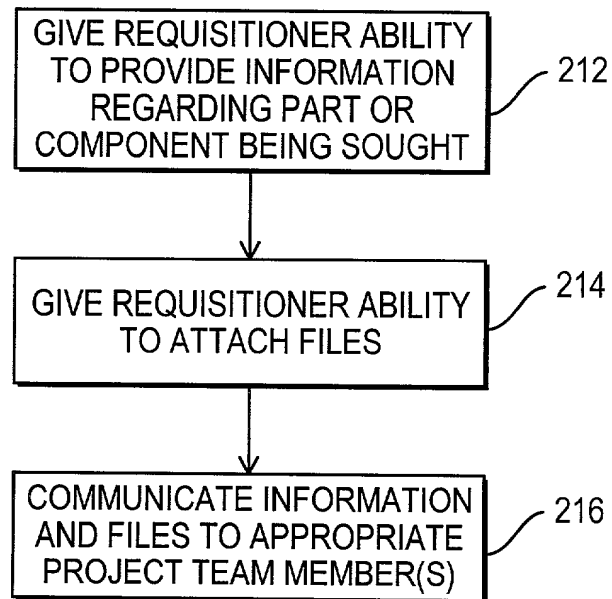
ADD TO FAVORITES

RESET

DISPLAYING 1 - 4 OF 4 VALVES FOUND.

INTERNET

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**FIG. 15**

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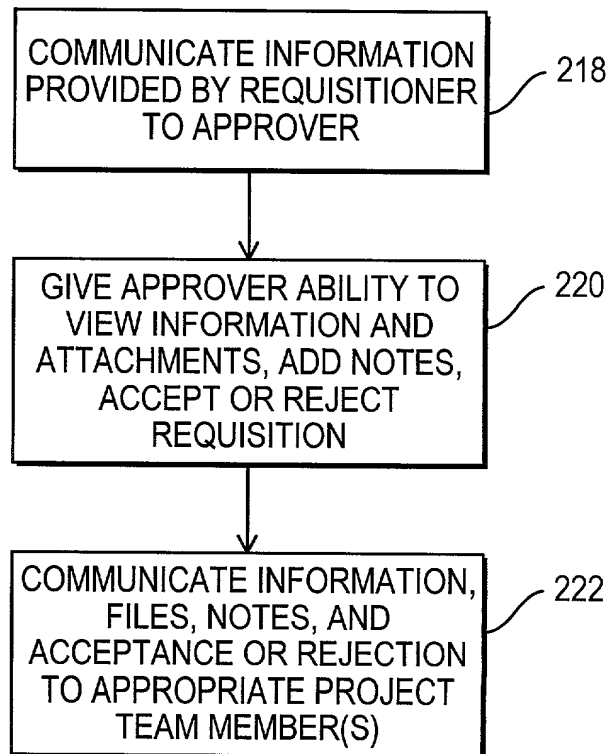


FIG. 16

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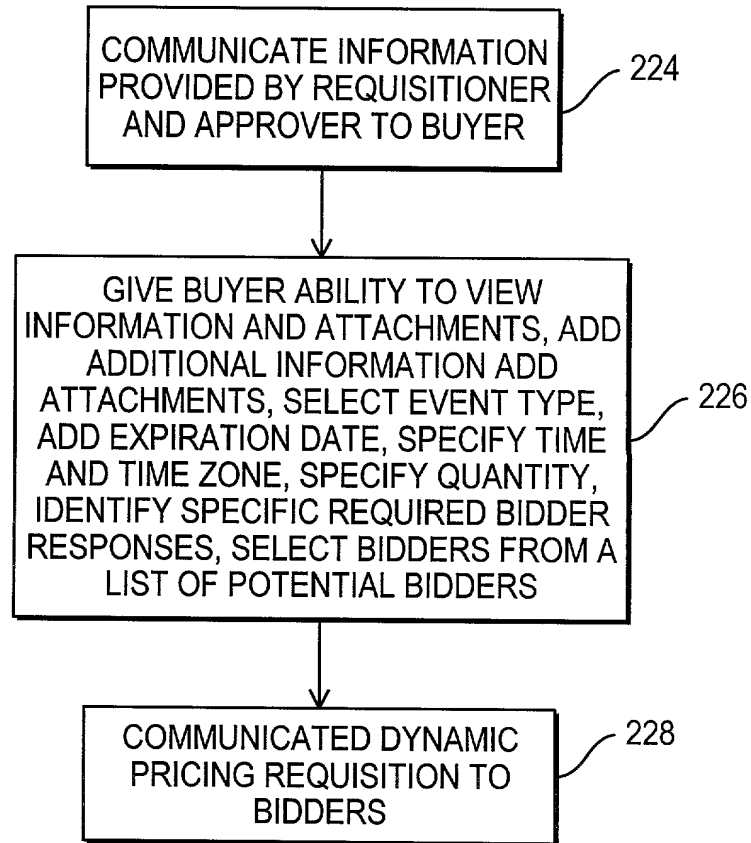


FIG. 17

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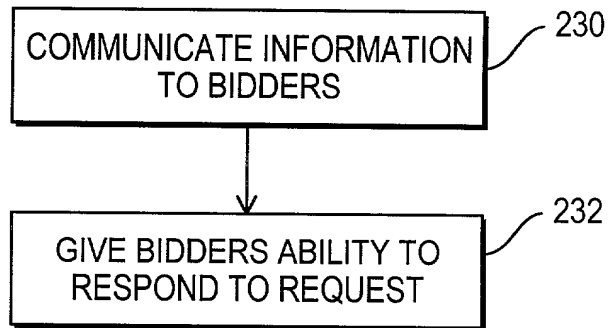


FIG. 18

FILE

EDIT

VIEW

FAVORITES

TOOLS

HELP

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INDUSTRIA

◦ EDIT PROFILE

◦ CUSTOMER SERVICE

◦ HELP

HOME

RFQ

IP VAULT

CURRENT REQUISITION

ORDER STATUS

FAVORITES

LOG OFF

234

INDUSTRIA RFQ#XXXXX, TITLE "Xxxx Xx Xxx", POSTED DATE 8 FEBRUARY 2001

237

LOWEST PRICE BY  
DELIVERY DATE 235

LOWEST PRICE  
REGARDLESS 236

LOWEST PRICE WITH ALTERNATES  
THAT MEETS DELIVERY DATE

CUSTOMIZE

HEADER SUMMARY INFORMATION		A&B STAINLESS	MCJUNKIN	MCJUNKIN	WILSON	VAN LUWEEN RECOMMEND	VAN LUWEEN BID 2
PROPOSAL NUMBER	BID 1	BID 1	ALT 1	BID 1	BID 1	ALT 1	
TECHNICALLY ACCEPTABLE (CHECK BOX IF YES)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CURRENCY	USD	USD	SGD	USD	USD	SGD	
PRICE	50,000	47,000	52,000	53,000	46,500	51,000	
(PERCENT)	0.00%	1.00%	1.50%	0.00%	1.00%	1.25%	
	50,000	16,530	51,220	53,000	46,035	50,363	
CHARGES	250	0	0	0	0	0	
POINT	CIRCLEVILLE, OH	CHARLESTON, WV	CHARLESTON, WV	HOUSTON, TX OH	CIRCLEVILLE, OH	CIRCLEVILLE, OH	
FREIGHT CHARGES TO BUYER	1,400	1,500	1,500	1,000	1,100	1,100	
TOTAL EVALUATED COST TO DESTINATION	51,650	48,030	52,720	54,000	47,135	51,463	
% ABOVE LOWEST BID	10%	2%	12%	15%		9%	
TERMS AND CONDITIONS	ACCEPTED	ACCEPTED	ACCEPTED	NOT ACCEPTED	ACCEPTED	ACCEPTED	
PROGRESS PAYMENTS (IS YES CLICK TO VIEW)	NO	NO	NO	YES	NO	NO	
TERMS OF PAYMENT	NET 30	NET 30	NET 30	NET 45	NET 20	NET 20	
ESCALATION	FIXED	FIXED	FIXED	FIXED	FIXED	FIXED	
APPROVAL DRAWINGS (IN WEEKS ARO)	2 WEEKS	3 WEEKS	3 WEEKS	2 WEEKS	1.7 WEEKS	1.7 WEEKS	

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FILE EDIT VIEW FAVORITES TOOLS HELP										LINK >>
OTHER										
APPROVALS (AUTO GENERATED FROM WORK FLOW)		ENGINEER	PROJECT MANAGER	BUYER	PROCUREMENT MGR	PROJECT MANAGER	CLIENT			
APPROVER NAME		DANIEL LIEN	BEN EAZZETTA	JOHN EICHSTAEDT	ROBERT MULLENGER	SHAWN WENTZ	DICK BROWN			
DATE APPROVED IN SYSTEM		1-FEB-01	5-FEB-01	5-FEB-01	10-FEB-01	31-JAN-01	16-FEB-01			
ITEM 1) 6" GATE VALVE, ANSI 600										
SUPPLIER		A&B STAINLESS	MCJUNKIN	MCJUNKIN	WILSON	VAN LUWEE	VAN LUWEE BID 2			
SELECT ITEM FOR CUSTOMIZATION		DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION			
QUANTITY		6	6	6	6	6	6			
PRICE		1,000	1,100	1,200	1,250	1,020	1,276			
EXTENDED PRICE		6,000	6,600	7,200	7,500	6,120	7,676			
PROMISED SHIP DATE (DATE OR WEEKS)		20-MAR-01	20-MAR-01	15-MAR-01	20-FEB-01	20-FEB-01	24-FEB-01			
LINE ITEM NOTES (IF YES CLICK TO VIEW)		YES	NO	YES	NO	NO	YES			
ITEM 2) 3" GATE VALVE, ANSI 600										
SUPPLIER		A&B STAINLESS	MCJUNKIN	MCJUNKIN	WILSON	VAN LUWEE	VAN LUWEE BID 2			
SELECT ITEM FOR CUSTOMIZATION		DESCRIPTION	NO BID	DESCRIPTION	DESCRIPTION	DESCRIPTION	DESCRIPTION			
QUANTITY		6		6	6	6	6			
PRICE		400		500	475	375	427			
PROMISED SHIP DATE (DATE OR WEEKS)		2,400		3,000	2,850	2,250	2,562			
LINE ITEM NOTES (IF YES CLICK TO VIEW)		20-MAR-01		15-MAR-01	20-FEB-01	20-FEB-01	24-FEB-01			
YES		YES		NO	NO	NO	YES			
ALTERNATE		ALTERNATE	311		ALTERNATE					
A&B STAINLESS		A&B STAINLESS			WILSON					
SELECT ITEM FOR CUSTOMIZATION										

FIG. 19B

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240 FILE EDIT VIEW FAVORITES TOOLS HELP ☐

INDUSTRIA PRODUCTS

SUPPLIER ONE

ITEM	ACTIONS	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY
1	<input type="button" value="CANCEL"/>	SUPPLIER ONE	TEST2	TEST#2	EA	USD	0.00	
CHARGE CODE:		TEST-666	VENDER CODE:	TEST-777	WORK CODE:		TEST-888	
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: SEP 27, 2000 SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								

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ITEM	ACTIONS	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY
2	<input type="button" value="MODIFY"/>	SUPPLIER ONE	TEST3	TEST#3	EA	USD	8.00	1
CHARGE CODE:		TEST-789	VENDER CODE:	TEST-890	WORK CODE:		TEST-789	244
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: CLICK ICON TO SELECT <input type="button" value="DATE SELECTED: SEP 27, 2001"/> SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								

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ITEM	ACTIONS	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY
3	<input type="button" value="MODIFY"/>	SUPPLIER ONE	TEST4	TEST#4	EA	USD	33.00	2
CHARGE CODE:		TEST-999	VENDER CODE:	TEST-786	WORK CODE:		TEST-456	
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: CLICK ICON TO SELECT <input type="button" value="DATE SELECTED: SEP 27, 2001"/> SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								

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ITEM	ACTIONS	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY
4	<input type="button" value="CANCEL"/> <input type="button" value="MODIFY"/>	SUPPLIER ONE	TEST4	TEST#4	EA	USD	22.00	1
CHARGE CODE:		TEST-234	VENDER CODE:	TEST-675	WORK CODE:		TEST-889	

FIG. 20A



FILE EDIT VIEW FAVORITES TOOLS HELP

SHIP TO THE ATTENTION OF: TEST FOUR  
DELIVERY POINT: NA

GO LINK

CURRENCY SELECTION USD

TRANSFER TYPE: DELIVERY DUTY PAID

SHIP TO THE ATTENTION OF: TEST FOUR  
DELIVERY POINT: NA

ADD OR MODIFY BY GOING TO RFQ

NOTES TO SUPPLIER

INDUSTRIA PRODUCTS

SUPPLIER ONE

ITEM	ACTIONS	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY
1	CANCEL	SUPPLIER ONE	TEST2	TEST#2	EA	USD	0.00	
CHARGE CODE: TEST-666 WORK CODE: TEST-000								
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: SEP 27, 2000 SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								
ITEM	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY	
2	SUPPLIER ONE	TEST2	TEST#3	EA	USD	8.00	1	
CHARGE CODE: TEST 789 WORK CODE: TEST 789								
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: SEP 27, 2000 SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								
ITEM	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY	
3	SUPPLIER ONE	TEST4	TEST#4	EA	USD	33.00	2	
CHARGE CODE: TEST 999 WORK CODE: TEST 456								
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								
REQUIRED DELIVERY DATE: SEP 27, 2000 SHIPPING ADDRESS: 100 SHIPPING ST, MOUNTAIN VIEW, CA 94043, US								
CARRIER: UPS PSM CRITICAL: NO CRITICAL SERVICE: NO								
ITEM	SUPPLIER	PRODUCT NAME	CAT #	AMOUNT	CURRENCY	PRICE	QTY	
4	SUPPLIER ONE	TEST5	TEST#5	EA	USD	22.00	1	
CHARGE CODE: TEST 999 WORK CODE: TEST 456								
NOTES TO SUPPLIER: NONE								
SHIPPING ADDRESS SPECIAL INSTRUCTIONS: NONE								

FILE EDIT VIEW FAVORITES TOOLS HELP

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INDUSTRIA

HOME RFQ IP VAULT CURRENT REQUISITION ORDER STATUS FAVORITES LOG OFF

ORDER STATUS

FROM HERE YOU CAN CREATE A NEW REQUISITION, VIEW AN UNSUBMITTED REQUISITION, REVIEW THE STATUS OF AN EXISTING ORDER, OR DUPLICATE PREVIOUS ORDERS.  
CREATE A NEW REQUISITION...

(REMEMBER, A REQUISITION IS AUTOMATICALLY CREATED WHEN YOU SELECT A PRODUCT FROM **PRODUCT SEARCH**. ONLY CREATE A REQUISITION HERE IF YOU ARE WORKING WITH MULTIPLE REQUISITIONS.)

QUICK JUMP TO ANOTHER REQUISITION STATUS - REQUISITIONS TO APPROVE UNSUBMITTED REQUISITIONS REQUISITIONS REQUIRING APPROVAL PARTIALLY SHIPPED ORDERS SHIPPING ORDERS DENIED REQUISITIONS EXECUTED ORDERS

ORDERS BEING PROCESSED

THESE ORDERS HAVE BEEN RECEIVED BY THE SUPPLIER AND WILL BE SHIPPED AS SOON AS POSSIBLE.

251 ORDER	REV 252	ORDER TITLE 254	DATE SUBMITTED	SUBTOTAL 256	SELECT ACTION	EXP. NOTES
<input type="checkbox"/> 10529898	0	REQUISITION 10529898	09/20/2000	6.90	CHANGE ▾ APPLY	N
<input type="checkbox"/> 10529897	1	REQUISITION 10529897	10/18/2000	525.49	CHANGE ▾ APPLY	N
<input type="checkbox"/> 10529368	2	REQUISITION 10529368	09/20/2000	3.00	CHANGE ▾ APPLY	Y
<input type="checkbox"/> 10528747	3	REQUISITION 10528747	09/19/2000	3.00	CHANGE ▾ APPLY	N
<input type="checkbox"/> 10528342	4	REQUISITION 10528342	09/19/2000	276.00	CHANGE ▾ APPLY	Y
<input type="checkbox"/> 10527472	5	REQUISITION 10527472	09/18/2000	649.49	CHANGE ▾ APPLY	N
<input type="checkbox"/> 10527458	0	REQUISITION 10527458	09/16/2000	3.00	CHANGE ▾ APPLY	N
<input type="checkbox"/> 10527449	1	MULTIPLE SUPPLIERS - MULTIPLE ITEMS	09/16/2000	649.49	CHANGE ▾ APPLY	Y

CHANGE ▾ APPLY

TO APPLY AN ACTION TO MULTIPLE REQUISITIONS CHECK THE BOXES ON THE LEFT, SELECT AN ACTION FROM MENU AND CLICK APPLY.

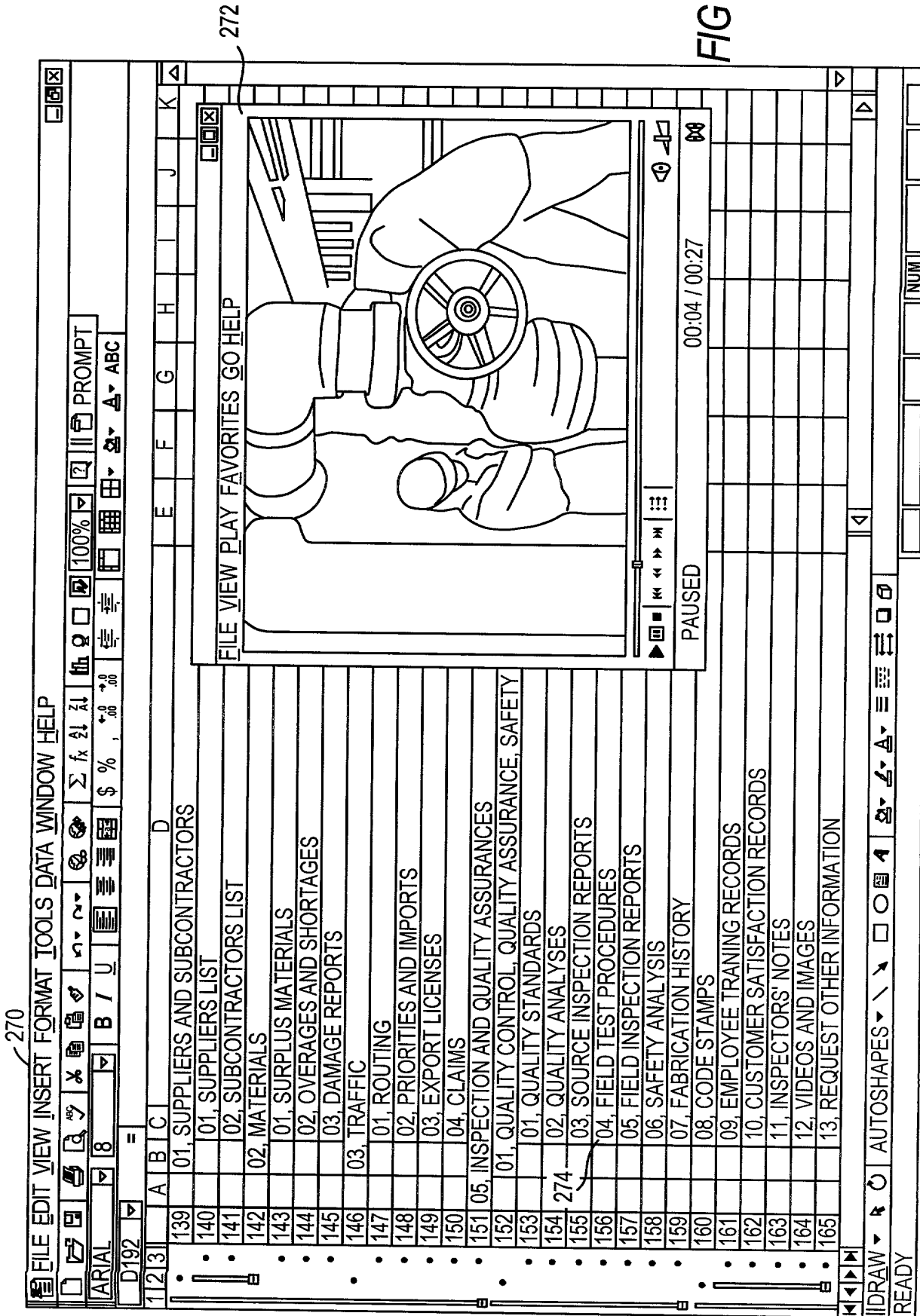
TOP

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FIG.21

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FIG. 22



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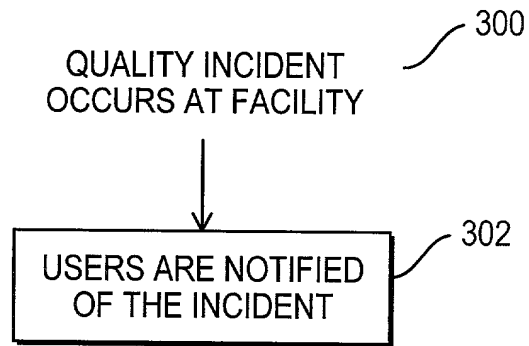


FIG. 23

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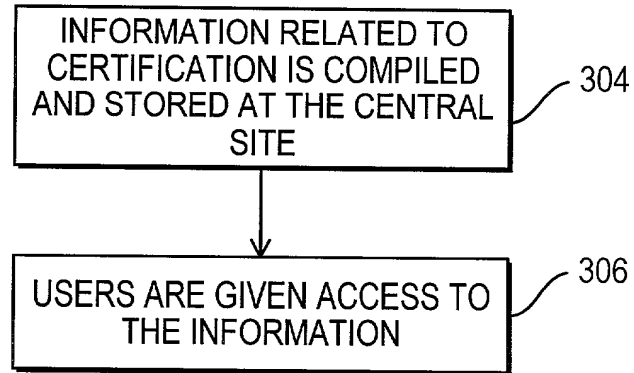


FIG. 24